Index of Claims

| Application/Control No | ٠. |
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10/623,065

Examiner

Date

BANERJEE ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

1643

David J. Blanchard

| Rejected | _ | (Through<br>Canc |
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| + | Restricted                     |

Claim

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| 1 | Interference |

| A | Appeal   |
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|               |  | Ш        |  |                                     |          |                |              |          |             |                 |
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|               |  | _        |  |                                     |          |                |              |          |             |                 |
| Cla           | ıım  | _        |  |                                     | [        | Date           | _            |          | _           | $\square$       |
|               | =  | 9011     |  |                                     |          |                |              |          |             |                 |
| Final         | Original   | Ĭ        | -  |                                     |          |                |              |          |             |                 |
| ίĒ            | )rić   | 6        | -  |                                     |          |                |              |          |             |                 |
|               | 0  | 9        |  |                                     |          |                |              |          |             |                 |
|               | 1  | /        |  |                                     |          |                |              |          |             |                 |
|               | 2  | T        |  |                                     |          |                |              |          |             |                 |
|               | 3  | 1.       |  |                                     |          |                |              |          |             |                 |
|               | 4  | V        |  |                                     |          |                |              |          |             | П               |
|               | 1<br>2<br>3<br>4<br>5  | V        |  |                                     |          |                |              |          |             | П               |
|               | 6  | N        |  | _                                   | _        | $\vdash$       |              |          | _           | П               |
|               | 6<br>7   |          |  | $\vdash$                            |          | $\blacksquare$ | _            |          |             |                 |
|               | 8  | •        |  |                                     |          | _              |              |          |             | Н               |
|               | a  | H        | -  | _                                   |          | $\vdash$       | _            | _        |             | $\vdash$        |
|               | 10   | H        |  | _                                   |          | -              |              |          |             | $\vdash$        |
|               | 11   | +        | -  | $\vdash$                            | Н        | $\vdash$       | H            |          | -           | $\vdash$        |
|               | 12   | 4        | -  | -                                   |          |                | _            | $\vdash$ | _           | $\dashv$        |
|               | 12   | Ż        | <u> </u>                                     | -                                   |          | H              | H            | $\vdash$ |             | $\vdash$        |
| $\vdash$      | 14   | N        | -  | $\vdash$                            | $\vdash$ | H              | $\vdash$     | -        | -           | $\vdash$        |
|               | 15   | 1.       | -  |                                     | <u> </u> | ⊢              | ├─           | $\vdash$ | <del></del> | $\vdash\vdash$  |
| $\vdash$      | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | 1        | $\vdash$                                     | $\vdash$                            | $\vdash$ | H              | ⊢            | -        |             | $\vdash \vdash$ |
|               | 17   | H        | -  | _                                   | $\vdash$ | -              | -            |          | $\vdash$    | $\vdash \vdash$ |
|               | 17   | Н,       | ⊢  | $\vdash$                            | <u> </u> |                |              | _        |             | Н               |
|               | 18   | I.V      | <u> </u>                                     | _                                   |          | -              | _            |          | _           | Н               |
| $\vdash$      | 19   | 727      |  | _                                   | _        | H              |              | _        | -           |                 |
| <b>-</b>      | 20   | N        | <u>-</u>                                     | _                                   | _        | _              |              | _        | -           | $\vdash$        |
|               | 21   | V,       | _  | <u> </u>                            |          | <u> </u>       |              | _        |             | Н               |
|               | 22   | 1        | <u>k</u>                                     |                                     | _        |                |              |          |             | Н               |
|               | 22<br>23<br>24   | 722      | <u> </u>                                     |                                     |          | <u> </u>       | $\vdash$     |          |             | Н               |
|               | 24   | N        | <u> </u>                                     |                                     | _        | $\vdash$       |              |          | _           | Н               |
| <u> </u>      | 25<br>26<br>27<br>28<br>29   | N        | <u> </u>                                     | _                                   |          | _              | _            |          |             | Н               |
| <u></u>       | 26   | ┡        |  | _                                   | _        | _              |              |          |             | Ш               |
| L             | 27   | _        | _  | <u>_</u>                            | _        |                | _            |          | _           | Ш               |
| <u> </u>      | 28   | L        |  | L                                   | <u> </u> | _              | $oxed{oxed}$ |          | _           | <u> </u>        |
| L             | 29   | <u> </u> | L  | L.                                  | L        |                |              |          |             | Ш               |
|               | 30<br>31   | 乚        | L_   | L.                                  |          |                | L_           | _        |             | Ш               |
|               | 31   | _        | <u> </u>                                     | L_                                  | _        | _              |              |          |             | Ш               |
| <u></u>       | 32<br>33   | <u> </u> | L_   | _                                   |          | <u> </u>       | $oxed{oxed}$ |          | L_          | Ш               |
| L             | 33   | L        | L.   | _                                   |          | L              | L            | <u> </u> | <u> </u>    | Ш               |
| $\sqsubseteq$ | 34   | _        | L  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | oxdot    | <u> </u>       | _            | L        | <u> </u>    | Ш               |
| <u></u>       | 35   | $\vdash$ | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\vdash$                            | _        |                | ldash        | Ш        |             | Ш               |
| <u></u>       | 36   | L_       | L  | _                                   |          |                | L_           | L        |             | Ш               |
|               | 37   | L        | _  |                                     |          |                | _            |          | L           |                 |
|               | 38<br>39   | L        | L  |                                     |          |                |              |          |             | Ш               |
|               |  | oxdot    | $oxedsymbol{oxed}$                           |                                     | _        |                |              |          | <u>_</u>    | Ш               |
|               | 40   |          |  |                                     |          |                |              | L        |             | Ш               |
|               | 41   |          | Ĺ  |                                     | L        | L              |              | L        |             |                 |
|               | 42   |          | L  |                                     | L        |                |              |          |             |                 |
|               | 43   |          |  |                                     |          |                |              |          |             |                 |
|               | 44   |          |  |                                     |          |                |              |          |             |                 |
|               | 45   | Г        |  | П                                   | Г        |                | Γ            |          |             | П               |
|               | 46   | Г        |  |                                     |          |                | $\Box$       |          |             | П               |
|               | 47   |          | Г  | Г                                   |          | $\vdash$       | Г            |          | $\Box$      | П               |
|               | 48   |          | T  | Г                                   |          | _              | $\vdash$     |          |             | П               |
|               | 49   | $\vdash$ | <u> </u>                                     | _                                   |          |                | Т            |          | $\vdash$    | М               |
| $\vdash$      | 50   |          | -  | $\vdash$                            | $\vdash$ |                | H            | Н        | <u> </u>    | Н               |

| Oic   | 11111                |              |          |          |          | Jan      | <u> </u>           |  |          | _ |     |       |          | <del></del> |   |          |          |    | _        |          | ,        | <u> </u> |
|-------|----------------------|--------------|----------|----------|----------|----------|--------------------|--|----------|---|-----|-------|----------|-------------|---|----------|----------|----|----------|----------|----------|----------|
| rınaı | Original             | 40/1/6       |          |          |          |          |                    |  |          |   |     | Final | Original |             |   |          |          |    |          |          |          |          |
|       | 1                    | Z            |          |          |          |          |                    |  | $\vdash$ |   |     |       | 51<br>52 |             |   |          |          |    |          |          |          | П        |
| _     | 2                    | T            |          |          |          |          |                    |  |          |   |     |       | 52       |             |   |          |          |    |          |          |          | П        |
|       | 3                    | 1.           |          |          |          | $\vdash$ |                    |  |          |   |     |       | 53<br>54 |             |   |          |          |    |          |          |          |          |
|       | 4                    | $\forall$    |          | Г        |          | $\vdash$ | Г                  |  |          |   |     |       | 54       | П           | _ |          |          |    |          |          |          |          |
|       | 5                    | 1            |          |          |          | $\vdash$ | Г                  |  |          |   |     |       | 55       |             |   |          |          |    |          |          |          | П        |
|       | 6                    | Z            | _        | _        | Т        | $\vdash$ | $\vdash$           |  |          |   |     |       | 56       | П           |   |          |          |    |          |          |          | П        |
|       | 6<br>7               | ン            |          | $\vdash$ |          |          | Г                  |  |          |   |     |       | 57       |             |   |          |          |    |          |          |          | П        |
|       | 8                    | 1            |          | $\vdash$ |          |          | Г                  |  |          |   |     |       | 58       | П           | _ |          |          |    |          |          |          |          |
|       | 9                    | Ħ            |          |          |          | $\vdash$ |                    |  |          |   |     |       | 59       | П           |   |          |          |    |          | $\vdash$ |          |          |
|       | 9                    |              |          |          |          |          |                    |  |          |   |     |       | 60       | П           |   |          |          |    |          |          |          | $\Box$   |
|       | 11                   | Ħ.           |          | Г        |          |          | Г                  |  |          |   |     |       | 61       | П           |   |          |          |    |          |          |          | $\Box$   |
|       | 12                   | $\mathbf{A}$ |          |          |          |          |                    |  |          |   | ı   |       | 62       |             |   |          |          |    |          | $\Box$   |          | П        |
|       | 13                   | 1            |          |          |          |          |                    |  |          |   | ı   |       | 63       | П           |   |          |          |    |          | Г        |          |          |
|       | 14                   | 7            |          |          |          |          |                    |  |          |   | - 1 |       | 64       |             |   |          |          | Г  |          |          |          | $\Box$   |
|       | 14<br>15             | ン            |          |          | $\vdash$ |          |                    |  | $\vdash$ | П |     |       | 64<br>65 | П           |   |          |          |    |          |          |          | П        |
|       | 16                   | 1            |          |          |          |          |                    |  |          | П | ı   |       | 66       |             |   |          |          |    |          |          |          |          |
|       | 17                   |              |          |          |          |          |                    |  | Г        |   |     |       | 67       |             |   |          |          |    |          |          |          | $\Box$   |
|       | 18                   | V            |          |          |          |          |                    |  |          |   |     |       | 68       |             |   |          |          |    |          |          |          | П        |
|       | 19                   | 1            |          |          |          |          |                    |  | Г        | П |     |       | 69<br>70 | П           |   |          |          |    |          |          |          | П        |
|       | 20                   | N            | _        |          |          |          |                    |  | Γ        |   |     |       | 70       | П           |   |          |          |    |          | Г        |          | $\Box$   |
|       | 21                   | <b>/</b>     | ,        | П        |          |          |                    |  | Γ        | П |     |       | 71       | П           |   |          |          |    |          |          |          |          |
|       | 22                   | 1            |          | Г        |          | Г        |                    |  |          | П |     |       | 72<br>73 | П           |   |          |          |    |          |          |          |          |
|       | 23                   | ~            |          |          |          |          |                    |  | П        |   |     |       | 73       | П           |   |          |          |    |          |          |          | П        |
|       | 22<br>23<br>24<br>25 | 22           |          |          |          |          |                    |  |          | П |     |       | 74       | П           |   |          |          |    |          |          |          |          |
|       | 25                   | 7            | _        |          |          | Г        |                    |  |          | П |     |       | 75       | П           |   | -        |          |    |          |          |          |          |
|       | 26                   |              |          |          |          |          |                    |  |          | П | i   |       | 76       |             |   |          |          |    |          |          |          |          |
| _     | 27                   |              |          | Г        |          | Г        |                    |  |          |   | į   |       | 77       |             |   |          |          |    |          |          |          |          |
|       | 28                   |              |          |          |          | П        | Г                  |  |          |   | - 1 |       | 78       |             |   |          |          |    |          |          |          |          |
|       | 29                   |              |          | Π        | Γ        |          |                    |  |          |   |     |       | 79       |             |   |          |          |    |          |          |          |          |
|       | 30                   |              | Г        | Г        |          |          |                    |  |          | П |     |       | 80       | П           |   |          |          |    |          |          |          |          |
|       | 31                   |              |          |          |          |          |                    |  |          | П |     |       | 80<br>81 |             |   |          |          |    |          |          |          |          |
|       | 32                   |              |          |          |          |          |                    |  |          |   |     |       | 82       |             |   |          |          |    |          |          |          |          |
|       | 33                   |              |          |          |          |          |                    |  |          |   |     |       | 83       |             |   |          |          |    |          |          |          |          |
|       | 34                   |              |          |          |          |          |                    |  |          |   |     |       | 84       |             |   |          |          |    |          |          |          | Ш        |
|       | 35                   |              |          |          |          |          |                    |  |          |   |     |       | 85       |             |   |          |          |    |          | L        | L        |          |
|       | 36                   |              |          |          |          |          |                    | <u> </u>                                     |          | Ш |     |       | 86       |             |   |          |          |    |          |          | _        | Ш        |
|       | 37                   | L            | L        | L        |          | _        |                    |  |          |   |     |       | 87       | Ш           |   |          |          |    |          | L        |          | Ш        |
|       | 38                   | <u> </u>     |          | L        | L        |          |                    | _  | L        | Ц |     |       | 88       |             |   |          |          | _  | _        | <u></u>  | 匚        | Ш        |
|       | 38<br>39             |              | L        | 乚        | _        | _        |                    |  | _        |   | 1   |       | 89       |             |   | L        |          |    |          | _        | L        | Ш        |
|       | 40                   | L            |          | L        | _        | _        | L                  |  |          | Ш |     |       | 90       | Ш           |   | _        | _        |    |          |          |          | Ш        |
|       | 41                   |              |          |          |          | _        |                    | L  |          |   |     |       | 91       |             |   | L        | L        |    |          | L        | L        |          |
|       | 42                   |              |          | L        |          | _        |                    |  | _        | Ш |     |       | 92       | Ш           |   |          | <u> </u> |    |          | L        | L        |          |
|       | 43                   | _            |          | <u></u>  |          | _        |                    | L  |          | Ш |     |       | 93       |             |   |          |          |    |          |          | _        | Ш        |
|       | 44                   |              |          | 匚        |          |          | <u></u>            | <u> </u>                                     |          | Ш |     |       | 94       | Ш           |   | L        | _        | _  | <u> </u> | _        | oxdot    | Ш        |
|       | 45_                  | L            |          | 匚        | _        | _        | oxdot              | <u> </u>                                     | _        | Ш |     |       | 95       | Ш           |   | <u> </u> | _        |    | _        | _        | L        | Ш        |
|       | 46                   |              | L        | 匚        |          |          | $oxedsymbol{oxed}$ | <u> </u>                                     | <u></u>  | Ш |     |       | 96       | Ш           |   | <u> </u> | L        |    |          |          | <u> </u> | Ш        |
|       | 47                   | <u> </u>     | <b> </b> | <u>L</u> | _        |          | _                  | <u> </u>                                     | <u> </u> | Ш | - 1 |       | 97       | Ш           |   | _        | _        | L_ | <u> </u> |          | <u> </u> | Ш        |
|       | 48                   | _            | L        |          |          | <u> </u> | 匚                  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        | Ш |     |       | 98       | Ш           |   |          |          |    | <u> </u> |          | <u> </u> | Ш        |
|       | 49                   |              |          | _        |          | _        |                    | <u> </u>                                     | L        | Ш |     |       | 99       | Ш           |   |          |          | L_ | _        | _        | <u> </u> | Ш        |
|       | 50                   |              |          |          | L        | L_       | L.                 | <u> </u>                                     | L        | Ш | Į   |       | 100      | Ш           |   |          |          |    | <u> </u> |          | <u></u>  | Ш        |
|       |                      |              |          |          |          |          |                    |  |          |   |     |       |          |             |   |          |          |    |          |          |          |          |

| Cla      | aim                             |          |                |  | _[           | Date     | 9            |          |          |                 |
|----------|---------------------------------|----------|----------------|--|--------------|----------|--------------|----------|----------|-----------------|
| Final    | Original                        |          |                |  |              |          |              |          |          |                 |
|          | 101                             |          |                |  |              |          |              |          |          |                 |
|          | 102                             |          |                |  |              |          |              |          |          |                 |
|          | 103                             |          |                |  |              |          |              |          |          |                 |
|          | 104                             |          |                |  |              |          |              |          |          |                 |
|          | 103<br>104<br>105               |          |                |  |              |          |              |          |          |                 |
|          | 106                             |          |                |  |              |          |              |          |          |                 |
|          | 107                             |          | L              | L  |              |          | L            |          |          |                 |
|          | 108<br>109                      | _        | _              | _  | Ш            |          |              |          |          | Ц               |
|          | 109                             |          |                | L  |              |          |              |          |          |                 |
|          | 110                             | _        | L.             |  | _            | _        | L            |          | _        |                 |
|          | 110<br>111<br>112<br>113        |          | <u> </u>       |  | Щ            |          | _            |          | <u> </u> | Щ               |
|          | 112                             |          | <u> </u>       |  | <u> </u>     | _        | <u> </u>     | <u> </u> | <u> </u> | Щ               |
|          | 113                             |          | <u> </u>       | $\vdash$   | Н            | -        | $\vdash$     | Щ        | $\vdash$ | Щ               |
|          | 114<br>115<br>116<br>117        |          | <u> </u>       | $\vdash$   | Н            | -        |              | <u> </u> | -        | Н               |
|          | 115                             |          | <del> </del> — | -  |              |          | $\vdash$     | H        | $\vdash$ | $\vdash$        |
|          | 110                             | -        | ┢              | $\vdash$   | H            | -        |              |          | -        | $\vdash$        |
|          | 118                             |          | -              | $\vdash$   | -            | _        | -            | -        | _        | $\vdash$        |
|          | 110                             |          | ⊢              | $\vdash$   | $\vdash$     |          | ├            | -        | _        | $\dashv$        |
|          | 119<br>120<br>121               |          | -              |  | -            | -        | ⊢            |          |          | $\dashv$        |
|          | 121                             | _        |                | ┝  | -            | $\vdash$ | ├─           |          |          | $\dashv$        |
|          | 122                             |          | -              |  | Н            | -        | ┝            | -        |          | $\dashv$        |
|          | 122<br>123<br>124<br>125<br>126 |          | -              |  | H            | _        | ┢            |          |          | $\dashv$        |
|          | 124                             |          | _              | -  | $\vdash$     |          | $\vdash$     | $\vdash$ |          | Н               |
|          | 125                             |          | _              |  |              |          | _            |          | $\vdash$ | Н               |
|          | 126                             |          |                |  |              |          | $\vdash$     |          |          |                 |
| -"       | 127<br>128<br>129<br>130        |          |                |  |              |          |              |          |          |                 |
|          | 128                             |          |                |  |              |          |              |          |          |                 |
|          | 129                             |          |                |  |              |          |              |          |          |                 |
|          | 130                             |          |                |  |              |          |              |          |          |                 |
|          | 131                             |          |                |  |              |          |              |          |          |                 |
|          | 132                             |          |                | L  | <u> </u>     |          | L            |          | _        |                 |
|          | 133                             |          | L              | ┖  | <u> </u>     |          | _            |          | _        |                 |
|          | 134                             | L        | ļ              | L_   | <u> </u>     |          | L.           |          | L.       |                 |
|          | 135<br>136                      |          | _              | <u> </u>   | <u> </u>     | L        |              | _        |          | Ш               |
|          | 136                             |          | <u> </u>       | <u> </u>   | <u> </u>     |          | _            | _        |          | $\Box$          |
|          | 137                             | _        | _              |  | <u> </u>     | _        | _            |          |          | Н               |
| ļ        | 138                             |          |                | <u> </u>   | ┝            | <u> </u> | _            |          |          | Н               |
|          | 139                             |          | ⊢              | ⊢  | ├            | -        | <u> </u>     | -        | <u> </u> | Н               |
|          | 140<br>141                      |          | ⊢              | ├  | ├            | <u> </u> | <u> </u>     |          | ⊢        | Н               |
|          | 142                             | _        | ┝              |  | ├            | ┝        | <del> </del> | $\vdash$ | $\vdash$ | $\dashv$        |
| _        | 143                             | H        | $\vdash$       | ┢  | <del> </del> | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\dashv$        |
| <u> </u> | 144                             |          | $\vdash$       | $\vdash$   | $\vdash$     | $\vdash$ | ┢            | -        | -        | $\vdash \vdash$ |
| <u> </u> | 145                             | -        | -              | $\vdash$   | ┢            | $\vdash$ | $\vdash$     | $\vdash$ | ┢        | $\vdash\vdash$  |
| _        | 146                             |          | $\vdash$       | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$     | ┢        | -        | $\vdash$        |
| _        | 147                             | H        | $\vdash$       | $\vdash$   | $\vdash$     | ┢        | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$        |
|          | 148                             | $\vdash$ | $\vdash$       | $\vdash$   | 一            | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash \vdash$ |
|          | 149                             |          |                |  | $\vdash$     | ┢        | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$        |
| $\vdash$ | 150                             | -        | 一              | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | Н               |
|          | 1.00                            |          |                | Ц.   |              | Ц        | Щ.           |          | <u> </u> |                 |